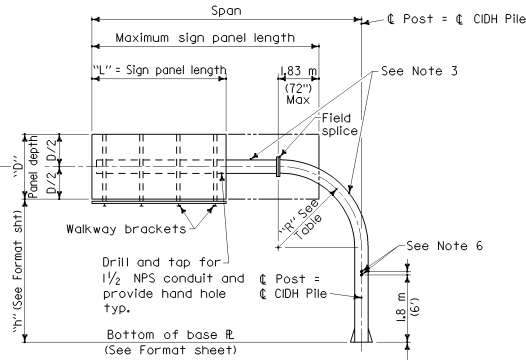
**SLANTED POST CANTILEVER****VERTICAL POST CANTILEVER****PIPE SELECTION PROCEDURE**

- Enter table to proper column with known panel depth "D" and appropriate height "h".
- Read down column to desired span length.
- Determine Pipe Post "Dia" and "R" for elbow by reading to the left horizontally.

NOTES:

- The maximum sign panel overlap onto the post elbow shall not exceed 1.83 m (72.0") from the field splice.
- When several sign panels are to be installed with a space between the panels, the space shall be as small as possible and 610 mm (24.0") maximum.
- All posts between base plate and field splice are extra strong pipe. All mast arms are standard pipe.
- During sign erection the post shall be raked as necessary with the use of the leveling nuts to make the sign panel level.
- At final position of post all top and bottom anchor bolt nuts shall be wrench tightened against base plate.
- Drill and tap for 1 1/2 NPS chase nipples and plug with recessed pipe plugs. Place perpendicular to sign panel axis and away from approaching traffic. See Standard Plan ES-32A.
- NPS - Nominal Pipe Size

MAXIMUM SPAN									
TYPE	PIPE POST		"D" mm (in)	1778 mm (70")	2032 mm (80.0")	2286 mm (90.0")	2540 mm (100.0")	2794 mm (110.0")	3048 mm (120.0")
	"R"	Dia NPS	"h" m (ft)	<7.01m (23.0')	<7.01m (23.0')	<7.01m (23.0')	<7.01m (23.0')	<7.01m (23.0')	<7.01m (23.0')
D	2.44 m (8.0')	12	Span m (ft)	5.8 m (19.0')	5.8 m (19.0')	5.7 m (18.7')	5.4 m (17.7')	5.1 m (16.7')	4.9 m (16.1')
G	2.44 m (8.0')	14		6.1 m (20.0')	6.1 m (20.0')	6.1 m (20.0')	5.9 m (19.4')	5.6 m (18.4')	5.3 m (17.4')
K	2.44 m (8.0')	16		7.0 m (23.0')	7.0 m (23.0')	7.0 m (23.0')	6.9 m (22.6')	6.6 m (21.7')	6.2 m (20.3')
N	2.44 m (8.0')	18		8.8 m (28.9')	8.8 m (28.9')	8.4 m (27.6')	7.9 (25.9')	7.5 m (24.6')	7.2 m (23.6')
R	2.44 m (8.0')	20		9.8 m (32.2')	9.8 m (32.2')	9.3 m (30.5')	8.8 m (28.9')	8.4 m (27.6')	8.1m (26.6')
T	3.05 m (10.0')	24		11.6 m (38.1')	11.6 m (38.1')	11.0 m (36.1')	10.4 m (34.1')	9.8 m (32.2')	9.3 m (30.5')

DIST	COUNTY	ROUTE	KILOMETER TOTAL PROJECT	POST NO.	SHEET NO.	TOTAL SHEETS
July 1, 2002 PLANS APPROVAL DATE						
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STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**OVERHEAD SIGNS-TUBULAR
SINGLE POST TYPE
LAYOUT AND PIPE SELECTION**

These "Standard Plans for Construction of Local Streets and Roads" contain units in two systems of measurement: International System of Units (SI or "metric") and United States Standard Measures shown in the parentheses (). The measurements expressed in the two systems are not necessarily equal or interchangeable. See the "Foreword" at the beginning of this publication.

NO SCALE

S40P